

ARTICLE 19 AMENDMENT

CLAIMS

- 5 1. (Amended) A multicarrier communication apparatus
that controls transmission to a communicating station
based on feedback information from said communicating
station, comprising: a reception section that receives
a multicarrier signal with data mapped on a plurality
10 of carriers from said communicating station; a measuring
section that measures reception quality of said plurality
of carriers; and a determining section that determines
a carrier having the best measured reception quality as
said feedback information carrier.
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2. The multicarrier communication apparatus according
to claim 1, wherein when there are a plurality of
communicating stations, said determining section
preferentially assigns the carrier having the best
20 reception quality to a communicating station having a
large amount of data to be transmitted from the subject
apparatus and designates said carrier as the feedback
information carrier for said communicating station.
- 25 3. The multicarrier communication apparatus according
to claim 1, wherein said determining section determines
said feedback information carrier based on a multicarrier

signal received immediately before transmitting the feedback information.

4. The multicarrier communication apparatus according to claim 1, further comprising a transmission section that transmits information about said feedback information carrier, wherein said reception section receives a multicarrier signal with feedback information mapped on said feedback information carrier.

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5. The multicarrier communication apparatus according to claim 4, further comprising a calculation section that calculates required transmit power so that the reception quality of said feedback information carrier becomes a required quality, wherein said transmission section transmits the calculated required transmit power and information about said feedback information carrier.

6. The multicarrier communication apparatus according to claim 5, wherein said calculation section calculates the required transmit power based on a difference between the reception quality of said feedback information carrier and said required quality.

7. The multicarrier communication apparatus according to claim 1, further comprising a transmission section that transmits feedback information using said feedback

information carrier.

8. The multicarrier communication apparatus according to claim 7, further comprising a spreading section that
5 spreads said feedback information carrier using a predetermined spreading code for feedback information.

9. A base station apparatus comprising the multicarrier communication apparatus according to claim 1.

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10. A mobile station apparatus comprising the multicarrier communication apparatus according to claim 1.

15 11. (Amended) A feedback information communication method used in a communication system that controls transmission to a communicating station based on feedback information from said communicating station, comprising the steps of: receiving a multicarrier signal with data
20 mapped on a plurality of carriers from said communicating station; measuring reception quality of said plurality of carriers; and determining a carrier having the best measured reception quality as said feedback information carrier.

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12. (Addition) The multicarrier communications apparatus according to claim 1 that said feedback

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information includes at least one of CQI (Channel Quality Indicator), ACK signal and NACK signal.